JACKSON C. YANEK

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EDUCATION

University of Kansas | Lawrence, KS *Expected Graduation: May 2026*
B.S. Computer Science
Cumulative GPA: 3.36, Fall 2022-Current

- Undergraduate Research Assistant
- Muchnic Foundation, Suelter Engineering, & SELF Engineering (Freshman Year) scholarships.

Lawrence High School | Lawrence, KS
Cumulative GPA: 3.82, Fall 2018-Spring 2022

EXPERIENCE

Undergraduate Research Assistant | Lawrence, KS
Undergraduate Research Assistant *May 2024-Present*

- Assisted development of an autonomous racecar to compete against other universities, finishing 3rd place internationally in the first simulated race competition at IROS 2024.
- Worked with graduate students on cutting edge research involving machine learning and autonomous vehicles.
- Hosted two workshops regarding Machine Learning, Linux terminal, GitHub, and other tools for 70+ high school students.

City of Lawrence | Lawrence, KS
I.T. Computer Technician *May 2023-Present*

- Developed Python scripts to automate report generation on software licensing.
- Worked personally with end user to ensure satisfaction and timely resolution, closing 90+ help desk tickets.
- Installed technology upgrades for an 800+ employee base across all departments.

PROJECTS AND RELEVANT COURSEWORK

KU Autonomous Racing Algorithm | Research & Club Project

- Implemented a modified end-to-end CNN for F1Tenth competitions.
- Used to represent KU at the F1TENTH Sim Racing League @ IROS 2024.

Voice Controlled Car | Embedded ML Project
Utilized a convolutional neural network to classify voice commands and send corresponding control signals to a physical car.

- Assisted with model development, data collection, and testing.
- Directed the physical design, opting for a 1:24 scale RC car with a modified motor driver.

Relevant Coursework

- Intro to Operating Systems (EECS 678), Embedded Machine Learning (EECS 690), Intro to Cyberphysical Systems (EECS 700)

LEADERSHIP AND INVOLVEMENT

KU F1Tenth Club | KU Engineering Club
Vice President *August 2024-Present*

- Revived and revamped KU F1Tenth club, growing membership to 10+ members by enhancing race opportunities and educational experiences.
- Created long term plan for hosting F1Tenth racing events at KU.

Zeta Theta Tau | Professional Engineering Fraternity
Intramurals Committee Chair *January 2024-Present*

SKILLS

- **Languages:** Python, Rust, C, C++, JavaScript, HTML/CSS, SQL, Bash, PowerShell, Assembly
- **Frameworks / Tools:** ROS2, Docker, TensorFlow (Lite), VHDL, Django, Linux, Git, Node, Windows